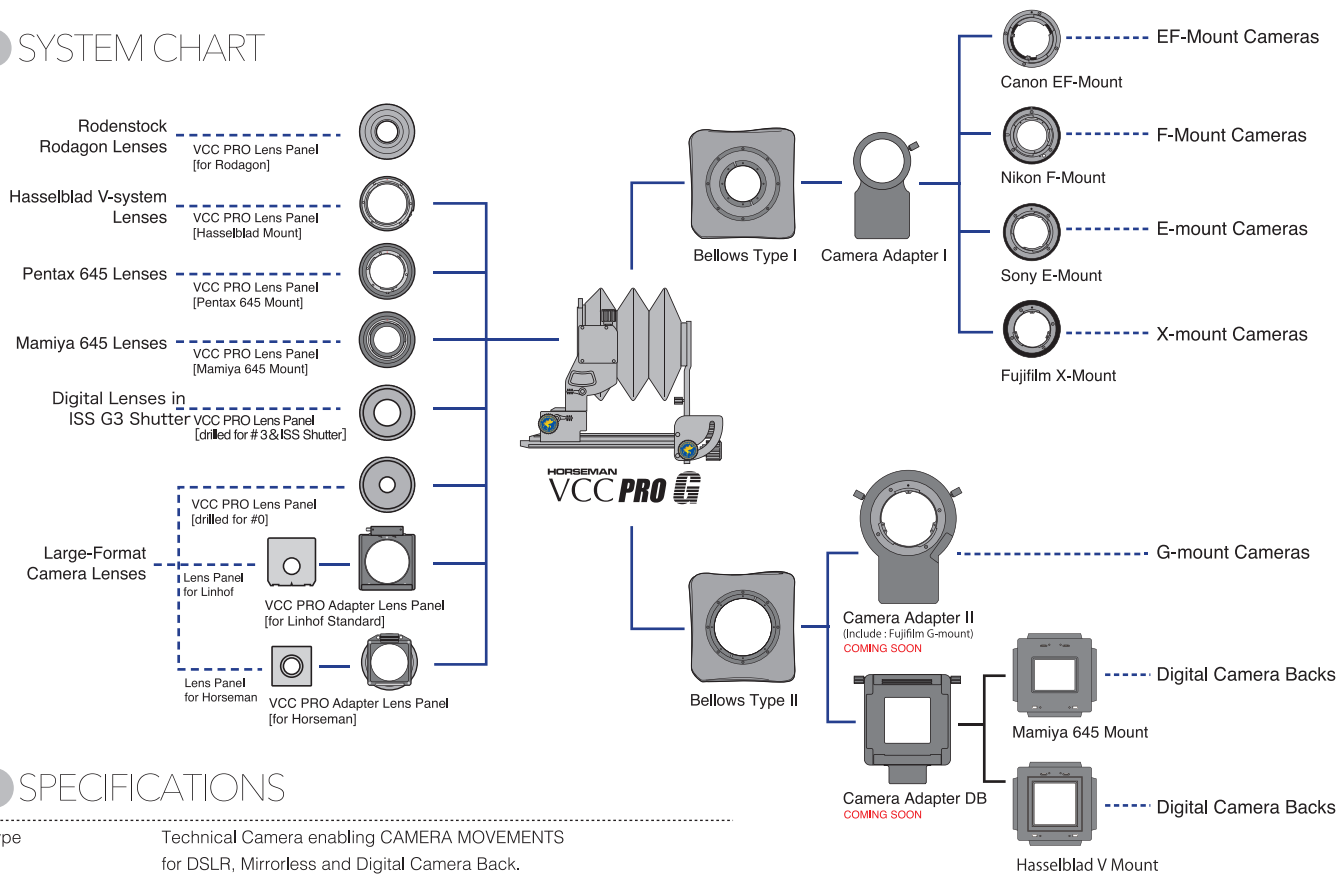


SYSTEM CHART



SPECIFICATIONS

Type	Technical Camera enabling CAMERA MOVEMENTS for DSLR, Mirrorless and Digital Camera Back.	
Materials	Aluminum	
Track Extension	130.5mm	
Camera Movements	Lens Standard : [Tilt] 15°forwards / 15°backwards, [Swing] 15°each(L/R) Back : [Rise/Fall] 15mm each, [Shift] : 20mm each(L/R)	
Min. frange distance	28mm	
Monorail	182mm	Arca-Swiss Compatible
External dimentions	H260 × W231 × L280mm (Body Only)	
Weight	2.9kg	

PRODUCTS

VCC PRO-G CAMERA MOUNT KITS

Include: VCC PRO-G Body, Bellows (Type I or II), Camera Mount, Lens Panel for Rodagon

Product code	Product name	JAN
512367	VCC PRO-G Canon EF Mount Kit	4962420218969
512368	VCC PRO-G Nikon F Mount Kit	4962420218976
512369	VCC PRO-G Sony E Mount Kit	4962420218983
512373	VCC PRO-G Fujifilm X Mount Kit	4962420218990
512374	VCC PRO-G Fujifilm G Mount Kit	4962420219003

CAMERA MOUNTS

Product code	Product name	JAN
512349	VCC PRO-G Camera Mount [Canon EF]	4962420218907
512350	VCC PRO-G Camera Mount [Nikon F]	4962420218914
512351	VCC PRO-G Camera Mount [Sony E]	4962420218921
512375	VCC PRO-G Camera Mount [Fujifilm X]	4962420219034

CAMERA ADAPTERS

Product code	Product name	JAN
512376	VCC PRO-G Camera Adapter I	4962420219041
512377	VCC PRO-G Camera Adapter II (Include : Fujifilm G-mount)	4962420219058
512352	VCC PRO-G Camera Adapter DB (Include : Bellows Type II)	4962420218938

LENS PANELS

Product code	Product name	JAN
512353	VCC PRO-G Lens Panel [for Rodagon]	4962420218945
512354	VCC PRO-G Lens Panel [drilled for #0]	4962420218952
510179	VCC PRO Lens Panel [for Pentax 645]	4962420217818
510180	VCC PRO Lens Panel [for Mamiya 645]	4962420217825
510181	VCC PRO Lens Panel [for Hasselblad 645]	4962420217832
510182	VCC PRO Adapter Lens Panel [for Linhof Standard]	4962420217849
510183	VCC PRO Adapter Lens Panel [for Horseman]	4962420217856
510186	VCC PRO-G Lens Panel [drilled for #3 & ISS Shutter]	4962420217887



Acquire professional photographic technique



Easy to use / Highly accurate camera movements

Horseman VCC Pro-G is a photographic apparatus enabling camera movements for various cameras. You can acquire a professional photographic technique just by attaching your favorite camera to this system without any additional accessories. Featuring all camera movements in the super-compact body, Horseman VCC Pro-G brings its abilities into full play both at location and in studio.

To upgrade accuracy of controlling the camera movements, Horseman VCC Pro-G has introduced "Gear Control System" enabling precise focusing adjustments for imaging macro, jewelry, product work, or archiving. Moreover, you can adjust the perspective control very easily and therefore, perform ideal camera work.

MADE IN JAPAN

All parts of Horseman VCC Pro-G are manufactured and processed in Japan according to rigorous quality control on each process.

Technical camera movement system that changes photo work



Compact design and easy manipulation materialize ideal camera work

Compact design

Even with exceptional sturdiness and durability of the metallic material, Horseman VCC Pro-G can be collapsed and transported easily. The folding rear standard can be stored in a compact way by removing the Lens Standard.

Easy manipulation

Aperture stop can be adjusted as expected via the lens iris control. For focusing, you just move the Lens Standard back and forth on the rail. Other settings are easily set by a digital camera. Magnetic bellows can be removed with one-touch.

Choosing lens

Horseman VCC Pro-G can work with lenses for medium or large format camera which offer a large image circle. You can choose any of those lenses.

※ Lens for medium-format camera can be matched with a mirrorless camera.
 ※ Lens for large-format camera must be 90mm-150mm.

Switch between vertical horizontal position

With the revolving system, switching from the vertical position to the horizontal position and vice versa can be easily achieved. Loosen the knob on the camera mount and then, turn the camera. Just one-touch operation! You can always select any framing freely.

Abundant camera movement amounts

Horseman VCC Pro-G has abundant camera movement amounts:
 Tilt: 15° each back and forth at the Lens Standard
 Swing: 15° each back and forth
 Rise / Fall: 15mm each at the rear side
 Shift: 20mm each right and left direction

Choosing camera

Various types of camera can be used by changing the camera mount. Even a small camera becomes a professional shooting device.



Various types of camera can be used



Applicable for digital mirrorless camera and DSLR camera

Horseman VCC Pro-G provides camera mounts for Sony E mount, Fujifilm X mount, Canon EF mount, Nikon F mount and Fujifilm G mount. Just attach a matching mount, and you can mate the VCC Pro-G with any of these cameras.

Digital mirrorless camera

Combined with a digital mirrorless camera, Horseman VCC Pro-G can perform many types of photography with camera movements. Using wide angle lenses for medium-format cameras, then VCC Pro-G plays perfectly in various shooting circumstances such as interiors, construction, landscape, commercial and product, macro-shooting, portrait-shooting etc.

DSLR camera

Combined with DSLR camera, Horseman VCC-G can use Rodagon lenses, various lenses from 90mm to 150mm for large-format camera. Good for product, table top, macro-shooting and portrait-shooting etc.

※Camera with battery grip (non-removable type) cannot be applied.



Various types of Lens can be used



Compatible with Rodenstock Rodagon lenses, lenses for medium and large-format cameras and various digital lenses

By just exchanging the lens panel, Rodagon lenses or your lenses for medium or large-format camera can be used. The size of the image circle is very important for the camera movements. As those lenses have large sized image circles, sufficient camera movement amount is secured.

Rodenstock Rodagon lenses

Rodagon 60mm - 135mm can be used with VCC Pro-G. Combined with a high definition digital sensor, Rodagon lenses, whose features are superb high definition, vivid contrast, extreme neutral color rendering without distortion, surely create high performance. Rodagon lenses are extremely well corrected throughout the entire image circle, retaining sharpness even to the corner of the field.

Lenses for large-format camera

90mm-150mm lenses are fit for VCC Pro-G. With use of double panel, it can be used together with Linhof standard panels or 8cm square panel.

※The compatibility depends on the size of the rear lens element.

Lenses for medium-format camera

VCC Pro-G provides VCC Pro lens panels for Pentax 645, Mamiya 645 and Hassleblad. If you have a mirrorless camera, these lenses can be used.

※Please note that lenses using this standard must be adjustable via manual control only.

※When combined with DSLR cameras (Nikon/Canon models), these cameras cannot achieve infinity focus due to their lenses flange to sensor requirements.

Image circle and technical camera movement

As light passes through the lens, it forms an image circle at the imaging plane (where the film or sensor is placed). The illumination is greatest at the image circle center and diminishes towards to edge of the field, eventually passing no light. The "usable" portion of this illumination for purposes of imaging is generally referred to as the "image circle". The size of the image circle varies according to the lens design and focusing distance. It is critical to match the size of this image circle to the imaging needs of the subject. It governs, among other things, the amount of camera movement that can be achieved at a given format size, focusing distance, and field-of-view. If the circle is not sufficiently large to accommodate all of these conditions, the result will be vignetting, or insufficient illumination on part of the subject or field.

Fundamental Manipulation of Camera Movements

Camera movement means that, by use of the flexible bellows, you can move lens and camera freely and independently, and control focusing and perspective. With free command of the four basic camera movements - tilt, swing, rise/fall and shift, you can control subject shape and plane of focus.

CONTROL OF FOCUSING

If the image magnification of a subject results in a shallow depth-of-field, it is possible that not all parts of your subject will be in sharp focus. With use of the camera movements, you can place the plane of focus where it best suits the image! The focusing is controlled by optical axis adjustment. Conversely, you can limit focus to one part of the image, and intentionally only and blur all other parts. With focusing on an accentuated component, attention can be directed to a specific part of your subject.

Tilt

Manipulation of Tilt is to rotate the lens back and forth on a horizontal axis. It moves at right angle to Swing. Pan focusing can be set with adjustment of the depth of field.



Before

After

Swing

Manipulation of Swing is to rotate the lens right and left on a vertical axis. It controls focusing on diagonal subject.



Before

After

• Practical application of Tilt/Swing

Utilizing this function conversely, you can emphasize BOKE effects.

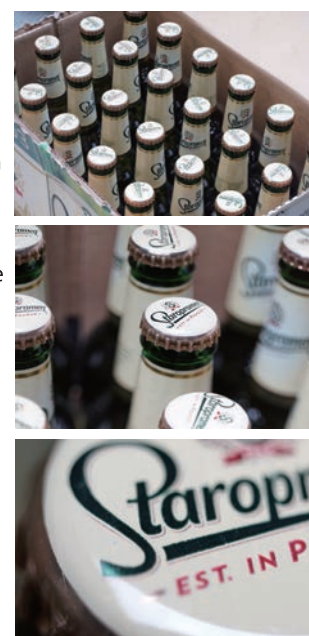


After Tilt

After Swing

Close-Up

Just by stretching the bellows, you can easily change the magnification of Horseman VCC PRO-G. No need to replace the lens even when you make Macro-photography.



Rodenstock Rodagon 60mm

CONTROL OF PERSPECTIVE

Normally, a distant object from a camera is imaged smaller while a close object becomes larger. When the shape of building or construction is deformed due to inclination of the perpendicular, you can correct the distortion by controlling the perspective with the camera movements.

Rise/Fall

Manipulation of this function is to make a parallel movement of the rear side vertically; Rise (upward) and Fall (downward).



Before

After

Back Tilt

The folding function of the camera can be used for Tilt. When aiming the camera upward, you can position the camera parallel to the subject by tilting the rear side.

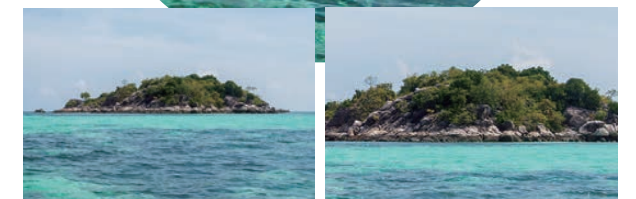
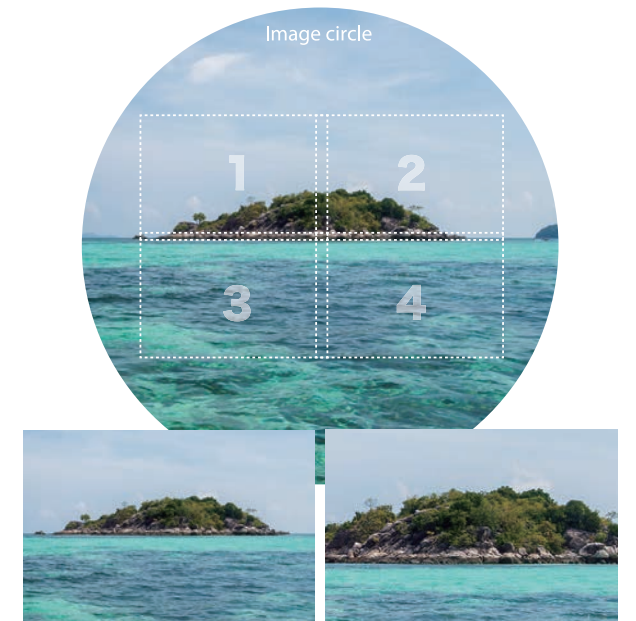
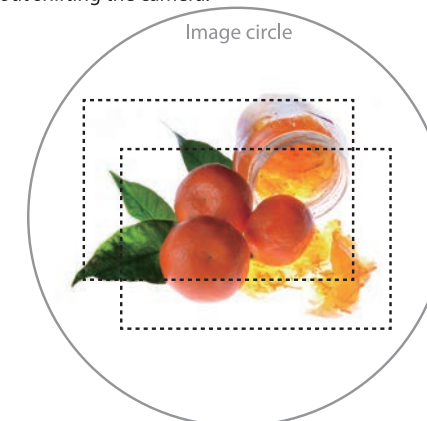


Shift

Manipulation of Shift is to make parallel movement of the rear side horizontally, especially good for reframing the image.

• Framing adjustment

In typical photography with a SLR, it is common that the framing adjustment is done by moving the position of a camera, moving camera and tripod together or changing the direction of camera. However, with use of the camera movements, you can easily control the framing by moving the rear side up and down or right and left within the image circle without shifting the camera.



Without stitching

• Stitching shooting

Horseman VCC Pro-G has functions of Rise, Fall and Shift on the camera side. With use of these movements in the rear side, the stitching shooting can be performed. When creating a 4 pieces stitch utilizing a "full frame" 24x36mm sensor, you can nearly quadruple the file size of the final image, almost the matching resolution of a high-end digital camera back and wide-angle shooting effects at the same time. The highly precise gears controlling can lower shear to the minimum and make the post-editing an easy task.

